

Claims

[c1]

1. An information retrieval system comprising:

(A) an audio-visual display for displaying received audio-visual signals to a user;

(B) a transceiver electrically coupled to said audio-visual display, said transceiver further comprising an interface generator for displaying internet links on said audio-visual display, a CPU which upon command creates a URL for access to the internet and an A/V connection which provides a connection to the internet for receiving internet information associated with said URL; and

(C) a controller in communication with said transceiver which permits the user to select and view selected audio-visual information from a signal source and to issue commands to said CPU of said transceiver.

[c2]

2. An information retrieval system, as recited in claim 1, wherein said interface generator further provides a graphical digital overlay on said audio-visual display.

[c3]

3. An information retrieval system, as recited in claim 1, wherein said controller further comprises an actuator for activating and interfacing with internet links displayed on said audio-visual display.

[c4]

4. An information retrieval system, as recited in claim 1, wherein said interface generator further comprises a list generator for selectively displaying on said audio-visual display a list of information.

[c5]

5. An information retrieval system, as recited in claim 4, wherein said list generator provides a picture-in-picture window.

[c6]

6. An information retrieval system, as recited in claim 5, wherein said picture-in-picture window provides for continuous display of both Internet provided information and information received from a broadcast signal source.

[c7]

7.A n information retrieval system, as recited in claim 1, wherein said transceiver receives information from Internet.

[c8]

8.A n information retrieval system, as recited in claim 1, wherein said transceiver receives information from standard RF television signal reception.

[c9]

9.A n information retrieval system, as recited in claim 1, wherein said transceiver receives information from a broadcast system.

[c10]

10.A n information retrieval system, as recited in claim 1, wherein said transceiver receives information from a recorded media.

[c11]

11.A n information retrieval system, as recited in claim 6, wherein said picture-in-picture window provides information based on the user's selection using said controller.

[c12]

12.A n information retrieval system, as recited in claim 1, wherein said transceiver further comprises

(1)a central processing unit;

(2)d igital memory electrically connected to said central processing unit;

(3)a remote control interface electrically connected to said central processor through a remote controller; and

(4)a n audio-visual module, electrically connected to said central processing unit, to interface between said transceiver and an audio-visual signal source and said audio-visual display.

[c13]

13.A n information retrieval system as recited in claim 3, wherein said actuator further comprises:

11)o ne or more buttons for user control of said transceiver; and

(2)a remote communication transmitter for providing a communication channel between said actuator and said transceiver.

[c14]

14.A n information retrieval system as recited in claim 1, wherein said interface generator provides listings of program and time information on said audio-visual display, upon command of said controller.

[c15]

15.A n information retrieval system as recited in claim 1, wherein said controller further comprises a recorder for storing user-selected information.

[c16]

16.A n information retrieval system as recited in claim 13, wherein said one or more buttons further comprises a mark button for use by the user in commanding said interface generator to display a reminder mark corresponding to a selected audio-visual program.

[c17]

17.A method for generating and displaying audio-visual information received from the internet and at least one other audio-visual source, comprising the steps of:

(A)r eceiving an audio-visual signal;

(B)d isplaying said received audio-visual signal, wherein said audio-visual signal further comprises a selectable item;

(C)s electing said selectable item from said displayed audio-visual signal;

(D)g enerating an Internet address associated with said selected item;

(E)r eceiving information from the internet for said internet address of said displayed item from said audio-visual signal; and

(F)d isplaying said selected information on an audio-visual display.

[c18]

18.A method for generating and displaying audio-visual information, as recited in claim 17, wherein said selecting step further comprises:

(1)p roviding a list of information related to said received audio-visual signal;

- (2)a ctivating said provided list for display upon user command;
- (3)i dentifying an item from said activated list;
- (4)d isplaying said identified item on an audio-visual display;
- (5)c ommunicating the selection of said item to a computer device for said generation of an associated Internet address.

[c19]

19.A method for generating and displaying audio-visual information, as recited in claim 17, wherein said displaying step further comprises:

- (1)o pening a display window on the audio-visual display device;
- (2)i nserting selected information in said opened display window; and
- (3)c ontinuing the display of audio-visual information from an audio-visual information source.

[c20]

20.A method for generating and displaying audio-visual information, as recited in claim 17, wherein said selecting information step further comprises selecting programming information.

[c21]

21.A method for generating and displaying audio-visual information, as recited in claim 17, wherein said selecting information step further comprises selecting product information.

[c22]

22.A method for generating and displaying audio-visual information, as recited in claim 17, wherein said selecting information step further comprises selecting service information.

[c23]

23.A method for generating and displaying audio-visual information, as recited in claim 17, wherein said selecting information step further comprises selecting public service information.

[c24]

